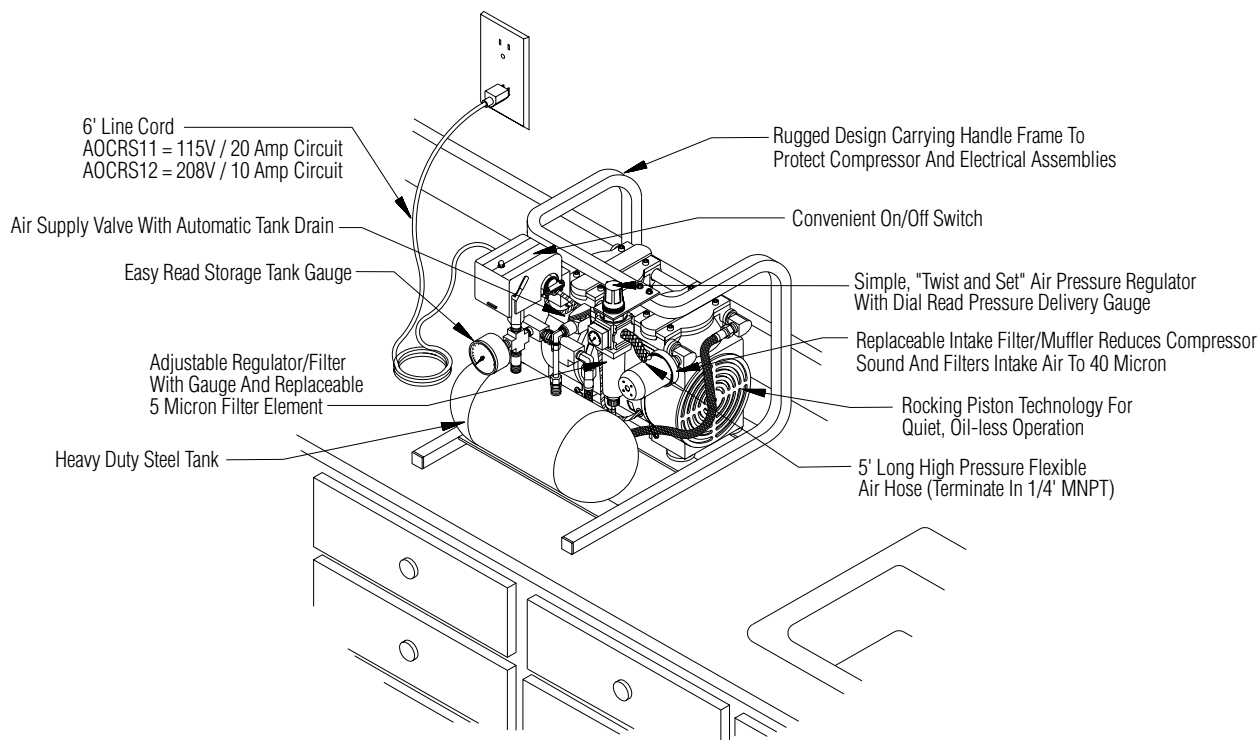


# Installation Instructions

## The Rock™ - Single Rocking Piston Compressor



### Description:

Apollo Dental Products' Air Compressors are designed to provide years of trouble-free, reliable service. Certain components do require periodic attention and service. Failure to adequately service these components will not only cause failure of the compressor, but will also result in unsatisfactory service.

**Underwriter's Laboratories (UL) (cUL) ..... File Number: MH13627**  
**U.S. Food and Drug Administration (FDA) ..... File Number: 2937927**  
**City of Los Angeles Mechanical Test Labs ..... File Number: M880066**

If you require additional information, contact ADP Technical Support between the hours of 6:00 a.m. to 4:00 p.m. (Pacific Standard Time).

### Installation:

Place the compressor in a clean, dry, well ventilated area, on a solid, level surface. Consider sound level and insulate as needed. Be sure that adequate ventilation is available as the compressor is air cooled. Ambient temperature in the room should be within the temperature range of 40 degrees Fahrenheit (4° C) minimum to 100 degrees Fahrenheit (38° F) maximum\*.

\* Excessive heat will reduce the efficiency of the compressor.

1. Remove unit from shipping carton.
2. Remove installation kit.
3. Install flexible hose to regulator using supplied fittings.
4. Connect powerline to proper electrical receptacle.

**Start-Up:**

1. Make sure the shut-off valve from the storage tank is closed.
2. Turn power "ON". Compressor should run and the storage tank should begin to pressurize.
3. The compressor will run until the storage tank gauge registers 100 PSI. The compressor will then automatically shut-off by means of the preset pressure switch.

**Note:** It is normal for compressor to purge the pressure off the heads. This results in a sound of air rushing from the pressure switch.

**WARNING: Do not increase pressure switch above 110 PSI.**

4. Using soapy water, check the compressor plumbing joints for leaks that may have arose due to shipment.
5. Fill out the warranty card within ten days to effect warranty. Please mail, fax or register on-line at [www.apollodental.com](http://www.apollodental.com).

**Seal All Air Leaks!**

***Air Leaks Are The Main Cause Of Compressor Failures!***

**Maintenance:**

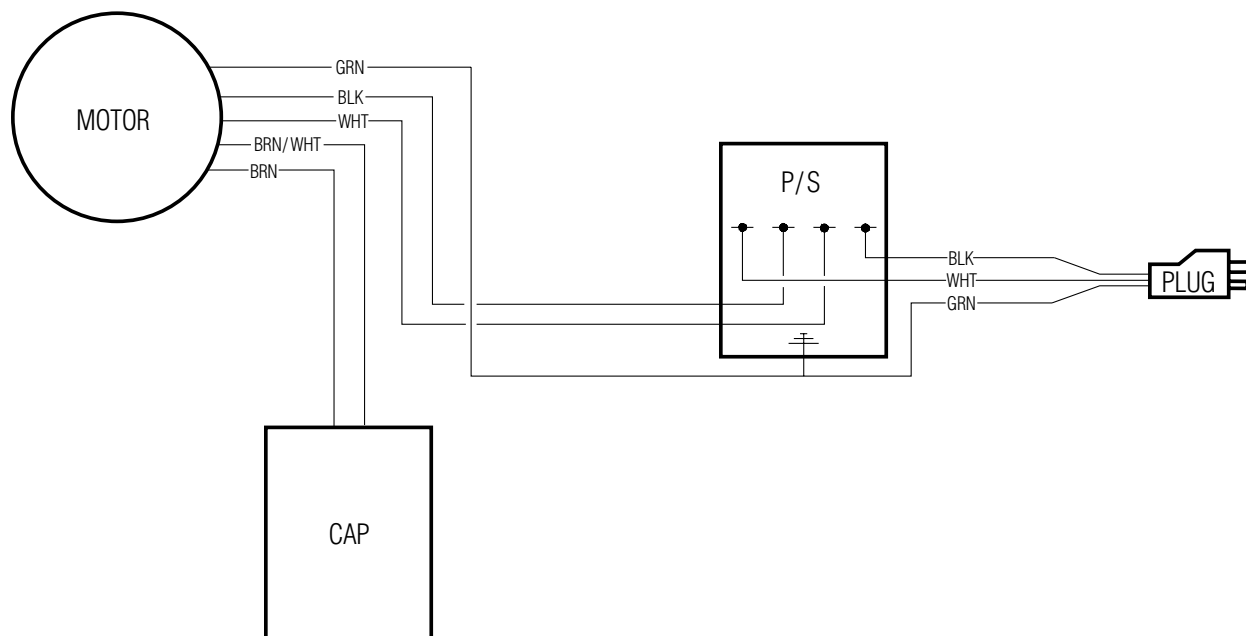
Intake filter and mufflers require periodic inspection and replacement. Initial inspection is suggested at 500 hours, and then the user should determine the frequency thereafter. Most problems can be prevented by keeping filter and mufflers clean. Dirty filters and mufflers decrease pump performance and can decrease pump life.

**Filter Inspection and Replacement:**

The head surface(s) on some models can be very hot during operation. Do not touch these parts until the pump has been turned off and allowed to cool. Some filter element(s) are held together by a snap fit. Remove the cover to replace the felt and reassemble.

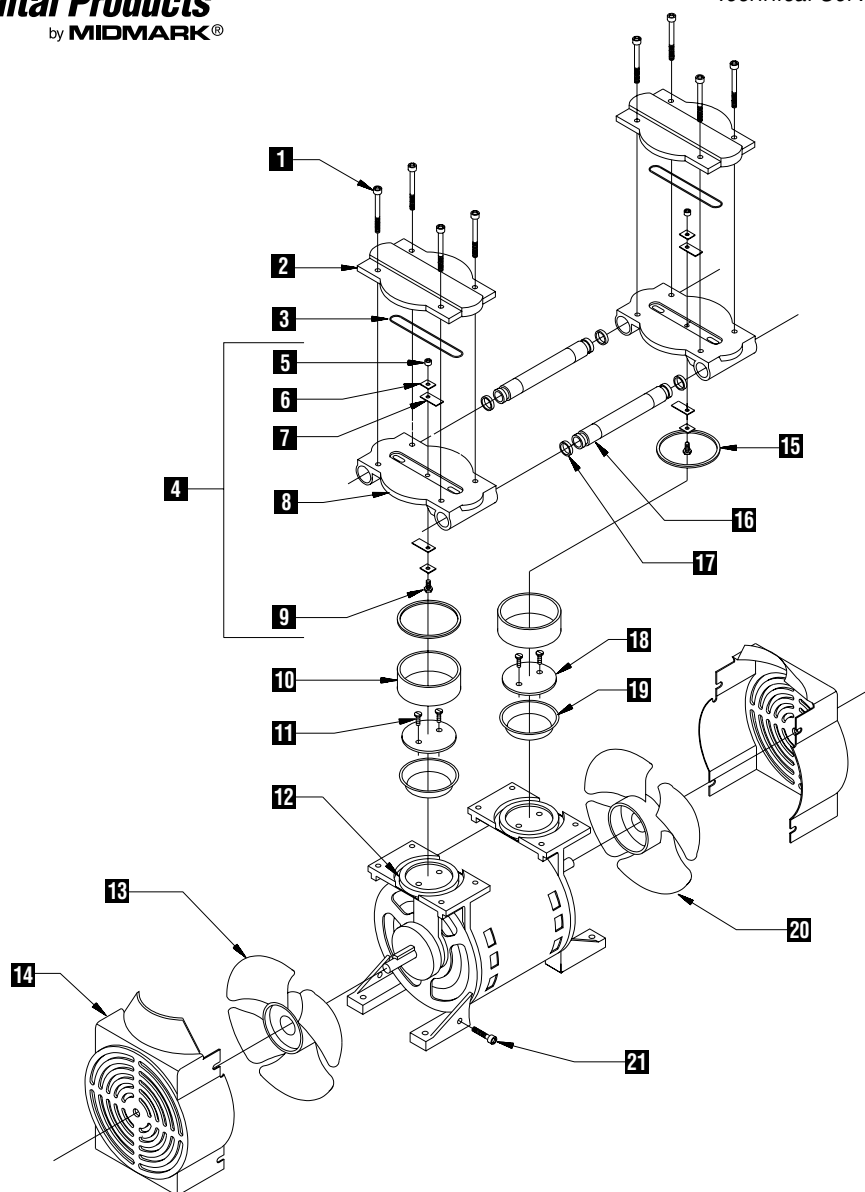
**WARNING: Always disconnect the power before servicing. The head surface(s) can be very hot depending on pump usage. Do not touch these parts during or after operation.**

### Electrical Wiring Diagram



Model	Voltage	Amperage	KVA	Recommended Breaker Size
AOCRS11	115	7.2	.828	20 Amps
AOCRS12	208	4	.88	10 Amps

\* Voltage must be + -10%. (A buck-boost transformer may be required.)



**Replacement Parts List For Motor:**

Number	Part Number	Description
1	HGA20101	Cap Screw
2	HGA20200	Head
3	HGA20306	Head O-Ring
4	HGA20205	Valve Plate Assembly
5	HGA20104	Hex Nut
6	HGA20201	Valve Retainer
7	HGA20202	Leaf Valve
8	HGA20204	Valve Plate
9	HGA20102	Valve Screw
10	HGA20303	Cylinder
11	HGA20100	Retainer Screw

Number	Part Number	Description
12	HGA20301	Rod Assembly
13	HGA20211	Fan
14	HGA20210	Shroud
15	HGA20304	Cylinder O-Ring
16	HGA20300	Cross Tube
17	HGA20305	Tube O-Ring
18	HGA20203	Retainer Plate
19	HGA20302	Piston Cap
20	HGA20212	Fan-Lead End
21	HGA20103	Shroud Screw

### Replacement Parts List:

Part Number	Description
HGH30241	Comp. Head 3/4 HP 115V
HGH30240	Comp. Head 3/4 HP 230V
PFM85206	Element, Filter / Regulator B08
HGA85550	Filter, Intake
ACA85230	Filter, Regulator 1/4" FPT
PGA70400	Gauge, Air Pressure
SPA97100	Hose Assembly, 1/4" x 8 Blue
ECS10460	Switch, Pressure Type Form X
PVV50510	Valve, Check 1/4"
PVV50545	Valve, Purge 1/4"

### TROUBLESHOOTING GUIDE:

Reason	Low Pressure	High Pressure	Excessive Noise	Over Heating	Won't Start
Dirty Coalescing Filter	• • •				
Dirty Intake Filter/Muffler	• • •			• • •	
Dirty Valves	• • •				
Bent/Damaged Valves	• • •			• • •	
Worn/Damaged Cup	• • •		• • •		
Leaky Hose	• • •		• • •		
Plugged Exh. Line		• • •		• • •	• • •
Low Voltage				• • •	• • •

### Warranty Information: 2 Year

Apollo Dental Products' Oil-Less Air Compressors are thoroughly inspected and tested in accordance with the rigid specifications and standards of ADP. They are guaranteed against any defective material and workmanship for a period of two years from the date of shipment, provided the installation, operation and maintenance is done in accordance with ADP's procedures as outlined in this manual.

During the life of this guarantee, ADP will repair or replace (at ADP's discretion) without charge, any defective part(s) for a two year period, if such defects occur in normal service and are not due to apparent misuse, abuse or accident. Provided that the parts are returned to ADP, via the dealer through which they were purchased, transportation prepaid. Warranty cards must be returned to ADP within ten days of installation to effect warranty. ADP makes no other warranties or guarantees, expressed or implied.